INTERNATIONAL SEARCH REPORT

International application No. PCT/JP2004/012073

Int.Cl7	ATION OF SUBJECT MATTER H01S3/042	ologoification and IDC	
According to Inte	rnational Patent Classification (IPC) or to both national	CIASSIFICATION AND IFC	
B. FIELDS SEA	ARCHED entation searched (classification system followed by class	ssification symbols)	
Int.Cl7	H01S3/00-3/30		
Jitsuyo Kokai Ji		roku Jitsuyo Shinan Koho Lsuyo Shinan Toroku Koho	1994-2004 1996-2004
Electronic data ba	ase consulted during the international search (name of d	ata base and, where practicable, search te	rms used)
C. DOCUMEN	TS CONSIDERED TO BE RELEVANT		·
Category*	Citation of document, with indication, where app	propriate, of the relevant passages	Relevant to claim No.
X Y	JP 6-45667 A (Hoya Corp.), 18 February, 1994 (18.02.94), Full text; all drawings (Family: none)		1-2 3-7
X Y	JP 1-268080 A (Mitsubishi Ele 25 October, 1989 (25.10.89), Full text; all drawings (Family: none)	ectric Corp.),	1-2 3-7
Y	<pre>JP 11-340551 A (Mitsubishi Ho Ltd.), 10 December, 1999 (10.12.99), Abstract; Par. No. [0088]; al (Family: none)</pre>	•	3
× Further do	ocuments are listed in the continuation of Box C.	See patent family annex.	
* Special categories of cited documents: "A" document defining the general state of the art which is not considered to be of particular relevance "E" earlier application or patent but published on or after the international filing date "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified) "O" document referring to an oral disclosure, use, exhibition or other means document published prior to the international filing date but later than the priority date claimed		"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art "&" document member of the same patent family	
Date of the actual 24 Nov	al completion of the international search ember, 2004 (24.11.04)	Date of mailing of the international sea 14 December, 2004	arch report (14.12.04)
•	ng address of the ISA/ se Patent Office	Authorized officer	
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Category*	ategory* Citation of document, with indication, where appropriate, of the relevant passages			
Y	JP 2001-15844 A (Yugen Kaisha Saifasha), 19 January, 2001 (19.01.01), Par. Nos. [0009] to [0014]; Fig. 13 (Family: none)	4-6		
Y	JP 6-216438 A (Fuji Electric Co., Ltd.), 05 August, 1994 (05.08.94), Par. Nos. [0026] to [0027]; all drawings (Family: none)	7		
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